In the claims:

1. (Currently Amended) A method of displaying ~~an anomaly in~~ a periodic waveform, said periodic waveform including a plurality of pulses, and being subject to including an anomaly, said method comprising:

(a) setting a pulse start address;

(b) setting an initial screen position;

(c) displaying a pulse of said plurality of pulses at a time-aligned position;

(d) updating said pulse start address in response to a pulse width value;

(e) repeating (c) and (d); and

(f) interactively adjusting said pulse width value at any time without using a clock recovery procedure;

said anomaly being displayed with said pulse when said anomaly is present.

2. (Original) The method of claim 1, further comprising incrementing a screen position when (c) and (d) are repeated.

3. (Original) The method of claim 2, wherein displaying a pulse at a time-aligned position comprises offsetting the pulse.

4. (Original) The method of claim 1, wherein a fractional initial offset is added to said pulse start address.

5. (Original) The method of claim 1, wherein a pulse width is added to said pulse start address.

6. (Original) The method of claim 1, wherein setting said initial screen position includes utilizing a formula (d – p) / 2, where d is a number of display columns and p is a pulse width.

7. (Original) The method of claim 1, wherein a rasterizer is implemented to draw a pulse.

8. (Original) The method of claim 1, wherein pulses are drawn over each other.

9. (Currently Amended) A test and measurement device, comprising:

an acquisition module, for acquiring a first signal under test (SUT) ~~SUT~~ to produce there from a first sample stream, said signal under test including a plurality of pulses and being subject to including an anomaly;

a processing module, for

(a) setting a pulse start address,

(b) setting an initial screen position,

(c) displaying a pulse of said plurality of pulses at a time-aligned position,

(d) updating said pulse start address in response to a pulse width value,

(e) repeating (c) and (d), and

(f) interactively adjusting said pulse width value at any time without using a clock recovery procedure; and

a display module, for displaying said pulse;

said anomaly being displayed with said pulse when said anomaly is present.

10. (Original) The test and measurement device of claim 9, wherein said time-aligned position is a display position of a last displayed pulse offset by predetermined amounts in X and Y axes.

11. (Original) The test and measurement device of claim 9, wherein said processing module is further for adding a fractional initial offset to said pulse start address.

12. (Original) The test and measurement device of claim 9, wherein said processing module is further for adding a pulse width expressed in terms of display columns to said pulse start address.

13. (Original) The test and measurement device of claim 9, wherein said processing module is further for setting said initial screen position utilizing a formula (d – p) / 2, where d is a number of display columns and p is a pulse width.

14. (Original) The test and measurement device of claim 9, wherein said processing module is further for implementing a rasterizer to draw a pulse.

15. (Original) The test and measurement device of claim 9, wherein said processing module is further for drawing pulses over each other.

16. (Currently Amended) A computer-readable media for storing software instructions which when executed by a processor perform the steps of:

displaying ~~an anomaly in~~ a periodic waveform including a plurality of pulses, by

(a) setting a pulse start address;

(b) setting an initial screen position;

(c) displaying a pulse of said plurality of pulses at a time-aligned position;

(d) updating said pulse start address in response to a pulse width value;

(e) repeating (c) and (d); and

(f) interactively adjusting said pulse width value at any time without using a clock recovery procedure;

wherein said periodic waveform is subject to including an anomaly, which anomaly is displayed with said pulse when said anomaly is present.

17. (Original) The computer-readable media of claim 16, further comprising instructions for incrementing a screen position when (c) and (d) are repeated.

18. (Original) The computer-readable media of claim 17, further comprising instructions for offsetting pulses.

19. (Original) The computer-readable media of claim 16, further comprising instructions for adding a fractional initial offset to said pulse start address.

20. (Original) The computer-readable media of claim 16, further comprising instructions for adding a pulse width to said pulse start address.